INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/015148

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01H25/06, H01H9/02					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SE	ARCHED				
Minimum docun	nentation searched (classification system followed by cl	assification symbols)			
Int.Cl	но1н25/06, но1н9/02				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004					
Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho 1994—2004					
Electronic data h	ace consulted during the international search (name of	data hase and where practicable search te	rms used)		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	• • •	Relevant to claim No.		
X	JP 2001-135197 A (Matsushita Industrial Co., Ltd.),	Electric	1,2,5-8 3,4,9,10		
ı ı	18 May, 2001 (18.05.01),		3,4,9,10		
	Par. Nos. [0034] to [0097]; B	Figs. 1 to 19			
	(Family: none)				
1	· •	l	ı		
X	JP 2001-148219 A (Matsushita	Electric	1,5,6		
Y	Industrial Co., Ltd.),	•	2-4,7-10		
Į į	29 May, 2001 (29.05.01), Par. Nos. [0051] to [0075]; F	Fige 7 to 13			
		20002516 A	·		
.,	TD EO 25220 V3 /Finditan The	`	,		
Y	JP 50-35330 Y1 (Fujitsu Ltd. 15 October, 1975 (15.10.75),		3		
	Page 2, right column, lines 7	7 to 9: Fig. 3G			
}	(Family: none)	00 3, 12g. 00			
	(
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	L		
	gories of cited documents:		renational filing data or adoute		
	fining the general state of the art which is not considered	date and not in conflict with the applica	ation but cited to understand		
to be of particular relevance		the principle or theory underlying the is	nvention		
"E" carlier applie filing date	eation or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be consi	dered to involve an inventive		
"L" document w	hich may throw doubts on priority claim(s) or which is	step when the document is taken alone			
	blish the publication date of another citation or other in (as specified)	"Y" document of particular relevance; the considered to involve an inventive	staimed invention cannot be step when the document is		
"O" document re	ferring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the	documents, such combination		
	ablished prior to the international filing date but later than	"&" document member of the same patent i			
the priority date claimed "&" document member of the same patent family					
Date of the actual completion of the international search Date of mailing of the international search report					
08 November, 2004 (08.11.04)		22 November, 2004	(22.11.04)		
	g address of the ISA/	Authorized officer	<u> </u>		
Japanese Patent Office					
Facsimile No.					
Facsimile No.	Form PCT/ISA/210 (second sheet) (January 2004)				

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/015148

Cataor	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category* Y	JP 2003-109467 A (Matsushita Electric Industrial Co., Ltd.), 11 April, 2003 (11.04.03), Par. No. [0064]; Fig. 16 (Family: none)	4,9,10
Y	JP 2001-256866 A (Alps Electric Co., Ltd.), 21 September, 2001 (21.09.01), Par. Nos. [0033] to [0034]; Figs. 11, 12, 16 & US 2001/0020573 A1 & EP 1139273 A2 & CN 1313621 A & TW 475189 B	7

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/015148

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
A common matter pertaining to Claims 1-10 is a common matter pertaining to Claim 1 and Claim 9. Also, a common matter pertaining to Claims 1-8 is a matter described in Claim 1. However, it is clear that the result of search reveals that these common matters are not novel since they are disclosed in cited documents cited by a category "X" in the International Search Report. As a result, since these common matters make no contribution over the prior art, they are not "special technical features" in the meaning of the second sentence of PCT Rule 13.2. 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.